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(54) Title: DIRECT CELL TARGET ANALYSIS

(57) Abstract: Disclosed herein are Direct Cell Target Analysis ("DCTA") molecules and Direct Cell Target ("DCT") methods for directly targeting and acting upon biomolecules. These methods and molecules can be used with specific cells within complex, heterogeneous tissue such that target biomolecules can be procured for subsequent analysis or directly analyzed without the need for physical separation of the biomolecules from other cells or cell components in the population. In general, the methods involve use of a fusion molecule having a first moiety to identify and localize target cells within a tissue sample, and a second moiety to generate detectable products within the target cells that may be detected and subsequently analyzed, and optionally isolated.



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